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**Data Sheet**

August 15, 2026

BECKMAN

## Beckman DK-2S3 Spectrophotometer (Legacy)

The Beckman DK-2S3 is a spectrophotometer accessory designed for use with Beckman DU series spectrophotometers. It enhances the functionality of the spectrophotometer, enabling precise and reliable spectral analysis. Ideal for research and quality control applications.



MODEL

**Beckman DK-2S3**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**DK-2S3**

LISTING

<https://aumictechlabs.com/products/dk-2s3-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

### This unit

The Beckman DK-2S3 is an accessory designed to augment the capabilities of Beckman DU series spectrophotometers, enabling more advanced spectral analysis. The DK series, including the DK-2, expanded the functionality of the original DU model, notably extending its range into the near-infrared spectrum. This enhancement was a result of the work by chemist Wilbur I. Kaye. The DK spectrophotometers introduced automatic recording features, with the DK-2 utilizing a linear scroll for this purpose. Compatibility \* Beckman DU Series Spectrophotometers: The DK-2S3 is specifically designed for use with Beckman DU series spectrophotometers. Expansion into Near-Infrared: The DK models, including the DK-2, represented an expansion of the DU series' capabilities, extending spectral analysis into the near-infrared range. Features and Functionality \* Automatic Recording: The DK series spectrophotometers introduced an automatic recording feature. Linear Scroll (DK-2): The DK-2 model specifically employed a linear scroll for automatic spectral recording. Why Choose Aumictech for Beckman DK-2S3? At Aumictech, we specialize in supplying high-end spectrophotometer accessories. Whether you need to enhance your existing

Beckman DU series spectrophotometer with advanced spectral analysis capabilities, ensure precise and reliable spectral data for research, or meet stringent quality control requirements, our team ensures the Beckman DK-2S3 delivers maximum performance for your application.

## DK2S3 Characteristics / Specifications

| PARAMETER         | VALUE                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------------|
| Model             | DK-2S3                                                                                               |
| Base Family       | Beckman DK-2 / DK-2A                                                                                 |
| Instrument Type   | ratio recording spectrophotometer                                                                    |
| Spectral Class    | ultraviolet, visible, and near infrared                                                              |
| Visible Detector  | photomultiplier                                                                                      |
| Infrared Detector | lead sulfide cell                                                                                    |
| Measurement       | ratio recording via mirror-chopper AC comparison of sample and reference                             |
| Sphere Ports      | detector, sample, and standard ports on documented DK-2A spectrophotometer                           |
| Tape Interval     | 50 Angstrom spacing on documented DK-2A punched-tape output                                          |
| Chart Output      | stationary chart recorder                                                                            |
| Expanded Scale    | expanded-scale output on documented DK-2A                                                            |
| Cd Work           | published CD measurements to 185 mμ on commercial DK-2A                                              |
| Far Uv Mods       | published N2-purged DK-1/DK-2 transmittance to 1700 Å (modified optics, not claimed as stock DK-2S3) |
| Manufacturer      | Beckman Instruments                                                                                  |
| Literature        | Beckman DK-2/DK-2A historical instrument literature; NASA PDS DK-2A spectrophotometer context        |
| Family            | Beckman DK ratio recording spectrophotometers                                                        |
| Form Factor       | benchtop recording spectrophotometer                                                                 |
| System Role       | UV-Vis-NIR ratio spectrophotometry                                                                   |
| Application Class | chemistry, materials, spectrophotometry                                                              |
| Brand Lineage     | Beckman Instruments                                                                                  |
| Queue Title       | Beckman DK-2S3 Spectrophotometer (Legacy)                                                            |
| Naming            | DK named for Wilbur I. Kaye NIR extension of the DU                                                  |
| Suffix            | S3 remaining-queue configurator on DK-2                                                              |

| PARAMETER          | VALUE                                                                        |
|--------------------|------------------------------------------------------------------------------|
| Documentation Type | OEM DK-2/DK-2A literature plus DK-2S3 identity                               |
| Prism Class        | quartz prism DK optical train (stock vs modified far-UV on published papers) |
| Use Case           | transmittance and reflectance spectra                                        |
| Vendor Path        | Beckman Instruments                                                          |
| Year Class         | DK-2 recording spectrophotometer generation                                  |

# Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

| Specifications     |                                                                                                      |
|--------------------|------------------------------------------------------------------------------------------------------|
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| PARAMETER          | VALUE                                                                                                |
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| Base Family        | Beckman DK-2 / DK-2A                                                                                 |
| Instrument Type    | ratio recording spectrophotometer                                                                    |
| Spectral Class     | ultraviolet, visible, and near infrared                                                              |
| Visible Detector   | photomultiplier                                                                                      |
| Infrared Detector  | lead sulfide cell                                                                                    |
| Measurement        | ratio recording via mirror-chopper AC comparison of sample and reference                             |
| Sphere Ports       | detector, sample, and standard ports on documented DK-2A spectroreflectometer                        |
| Tape Interval      | 50 Angstrom spacing on documented DK-2A punched-tape output                                          |
| Chart Output       | stationary chart recorder                                                                            |
| Expanded Scale     | expanded-scale output on documented DK-2A                                                            |
| Cd Work            | published CD measurements to 185 mμ on commercial DK-2A                                              |
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| System Role        | UV-Vis-NIR ratio spectrophotometry                                                                   |
| Application Class  | chemistry, materials, spectroreflectometry                                                           |
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| Documentation Type | OEM DK-2/DK-2A literature plus DK-2S3 identity                                                       |

| PARAMETER   | VALUE                                                                        |
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| Prism Class | quartz prism DK optical train (stock vs modified far-UV on published papers) |
| Use Case    | transmittance and reflectance spectra                                        |
| Vendor Path | Beckman Instruments                                                          |
| Year Class  | DK-2 recording spectrophotometer generation                                  |

Notes  
From Beckman DK-2/DK-2A historical literature and NASA PDS DK-2A description (UV-Vis-NIR, PMT/PbS, ratio recording, 50 Angstrom tape). Stock wavelength limits of DK-2S3 are on that manual/faceplate; 1700 A far-UV isapublished modification, not assigned as stock DK-2S3.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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NIST-traceable calibration · SAM registered ·  
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NAICS 423690 · 811210 · 541380  
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.